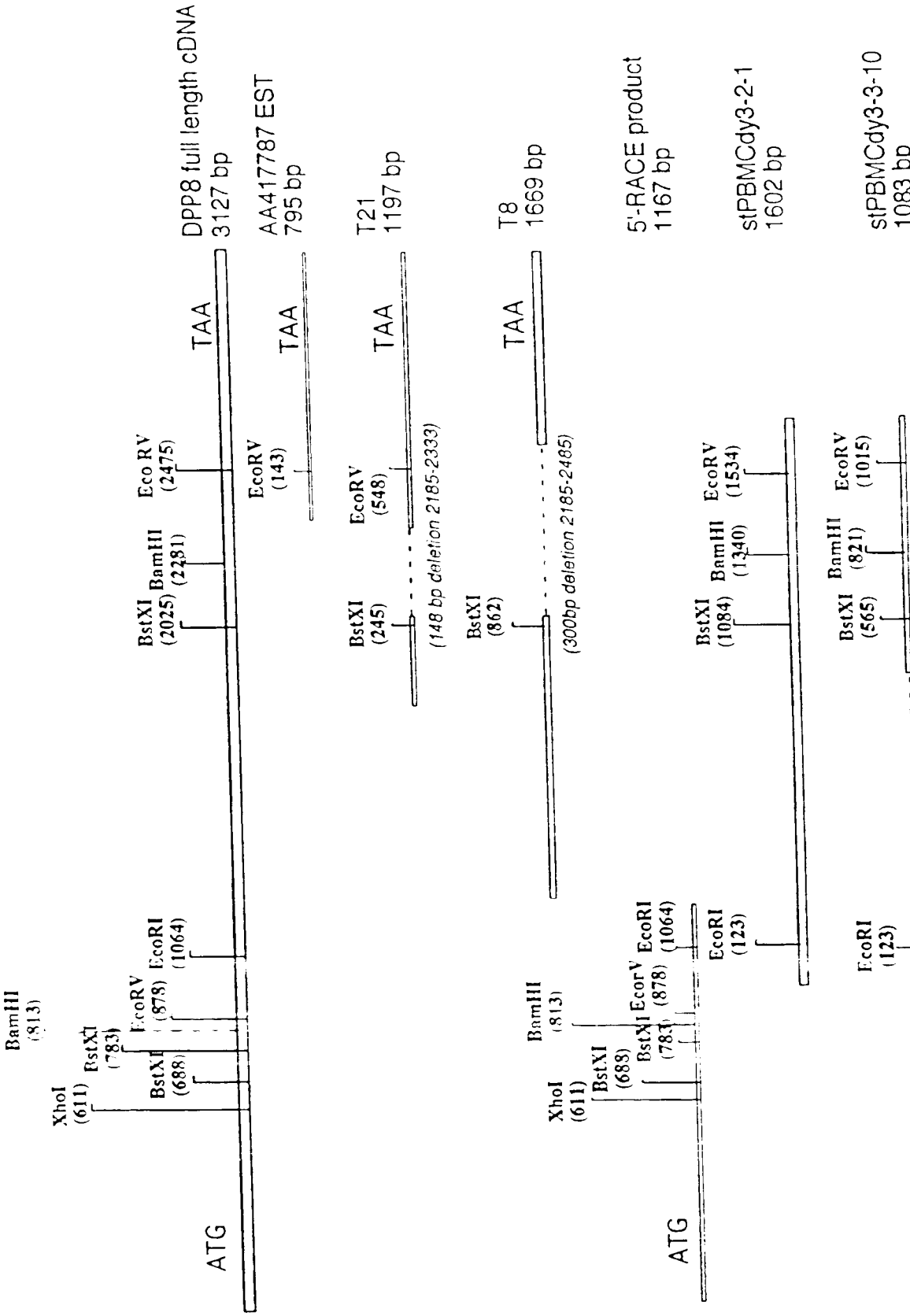
DPP8 full length cDNA
3127 bp
AA417787 EST
795 bp
T21
1197 bp
T8
1669 bp
5'-RACE product
1167 bp
stPBMCdy3-2-1
1602 bp
stPBMCdy3-3-10
1083 bp
ATG
TAA
BamHI (813)
XhoI (611)
BstXI (783)
BstXI (688)
EcoRV (878)
EcoRI (1064)
BstXI (2025)
BamHI (2281)
Eco RV (2475)
EcoRV (143)
EcoRV (548)
BstXI (245)
(148 bp deletion 2185-2333)
BstXI (862)
(300bp deletion 2185-2485)
BstXI (1084)
BamHI (1340)
EcoRV (1534)
EcoRI (123)
BstXI (565)
BamHI (821)
EcoRV (1015)
519 bp deletion 1238-1757

FIGURE 1

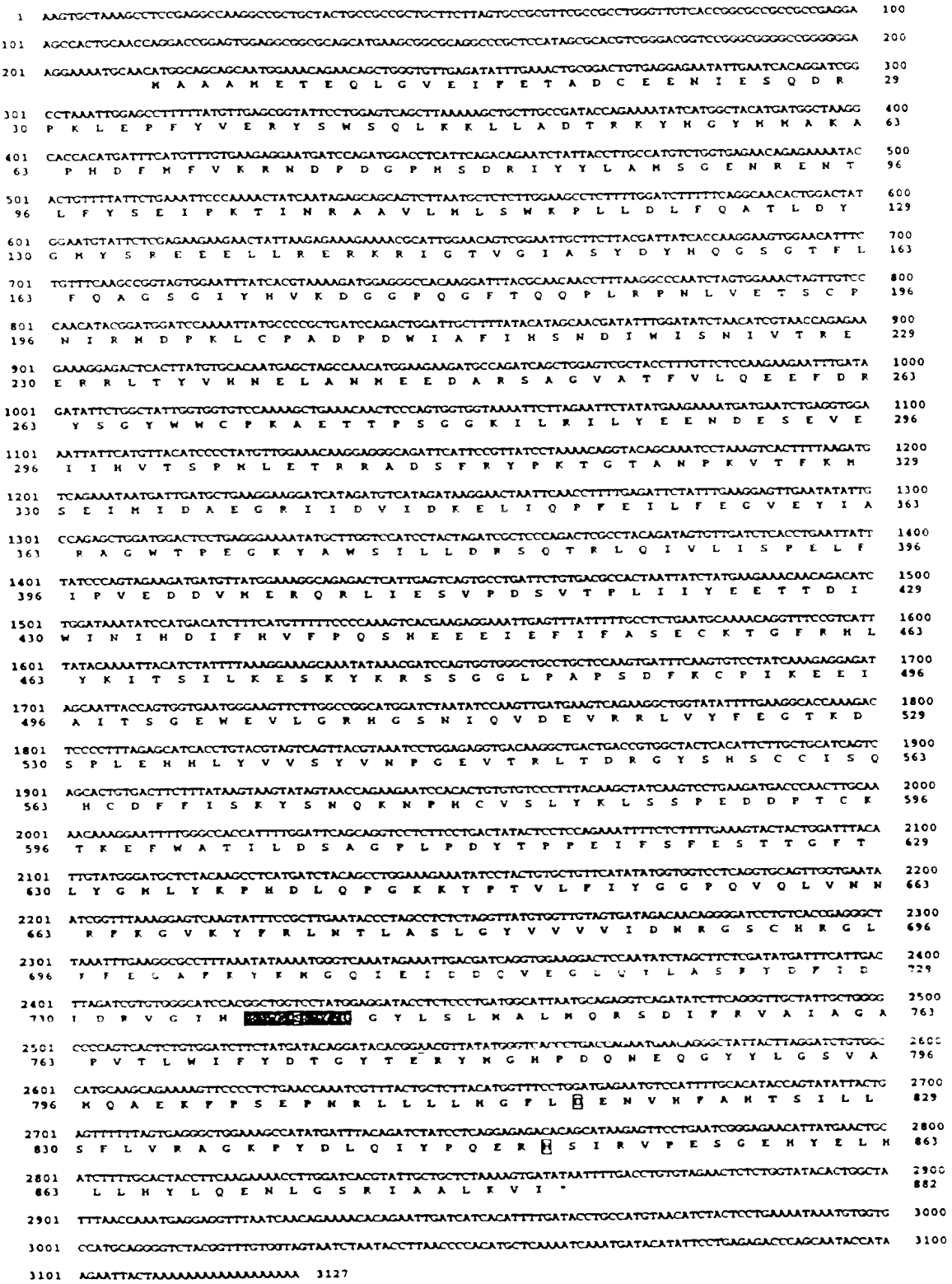

FIGURE 2

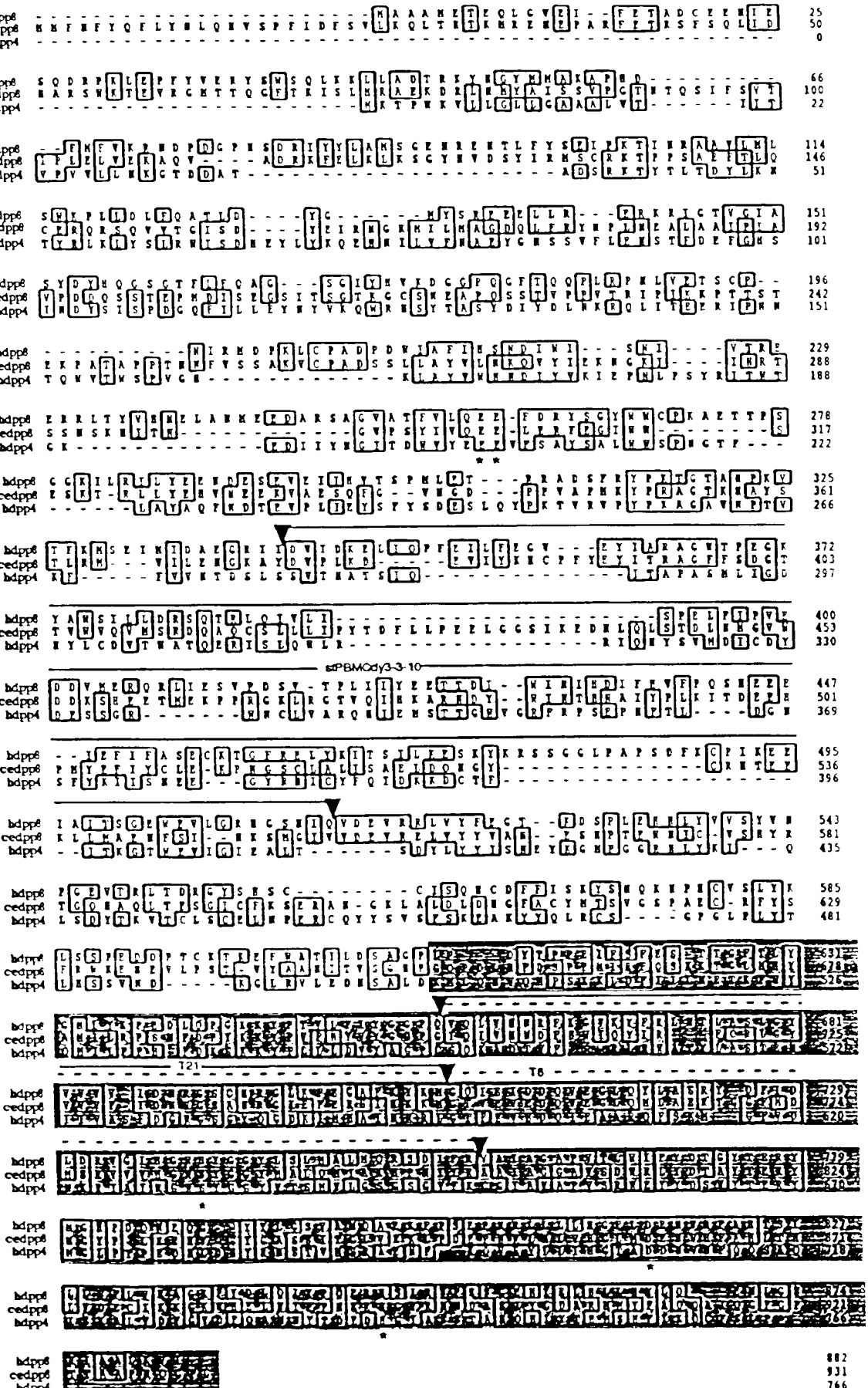

FIGURE 3

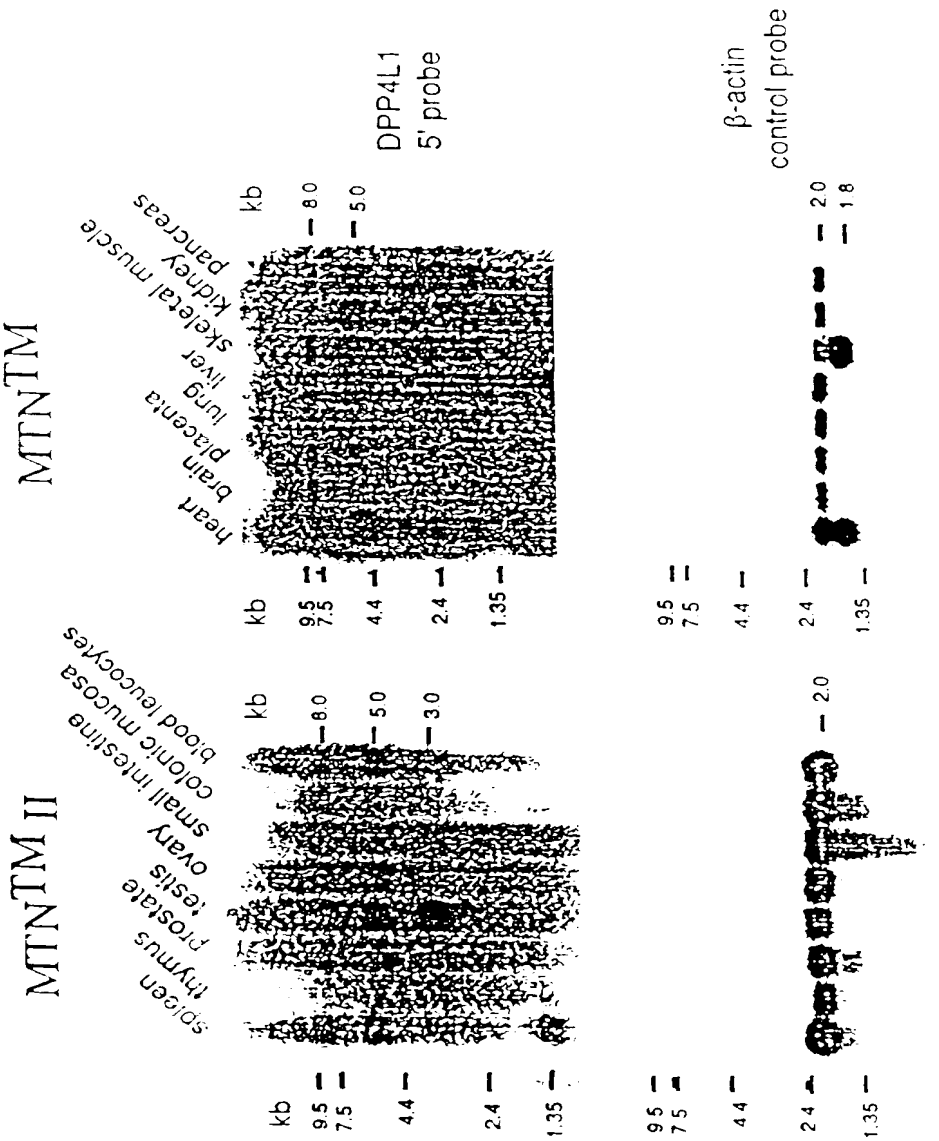
MTN TM
MTN TM II
DPP4L1
5' probe
β-actin
control probe
kb
9.5
7.5
4.4
2.4
1.35
8.0
5.0
3.0
2.0
1.8
heart
brain
placenta
lung
liver
skeletal muscle
kidney
pancreas
spleen
thymus
prostate
testis
ovary
small intestine
colonic mucosa
blood leucocytes

FIGURE 4

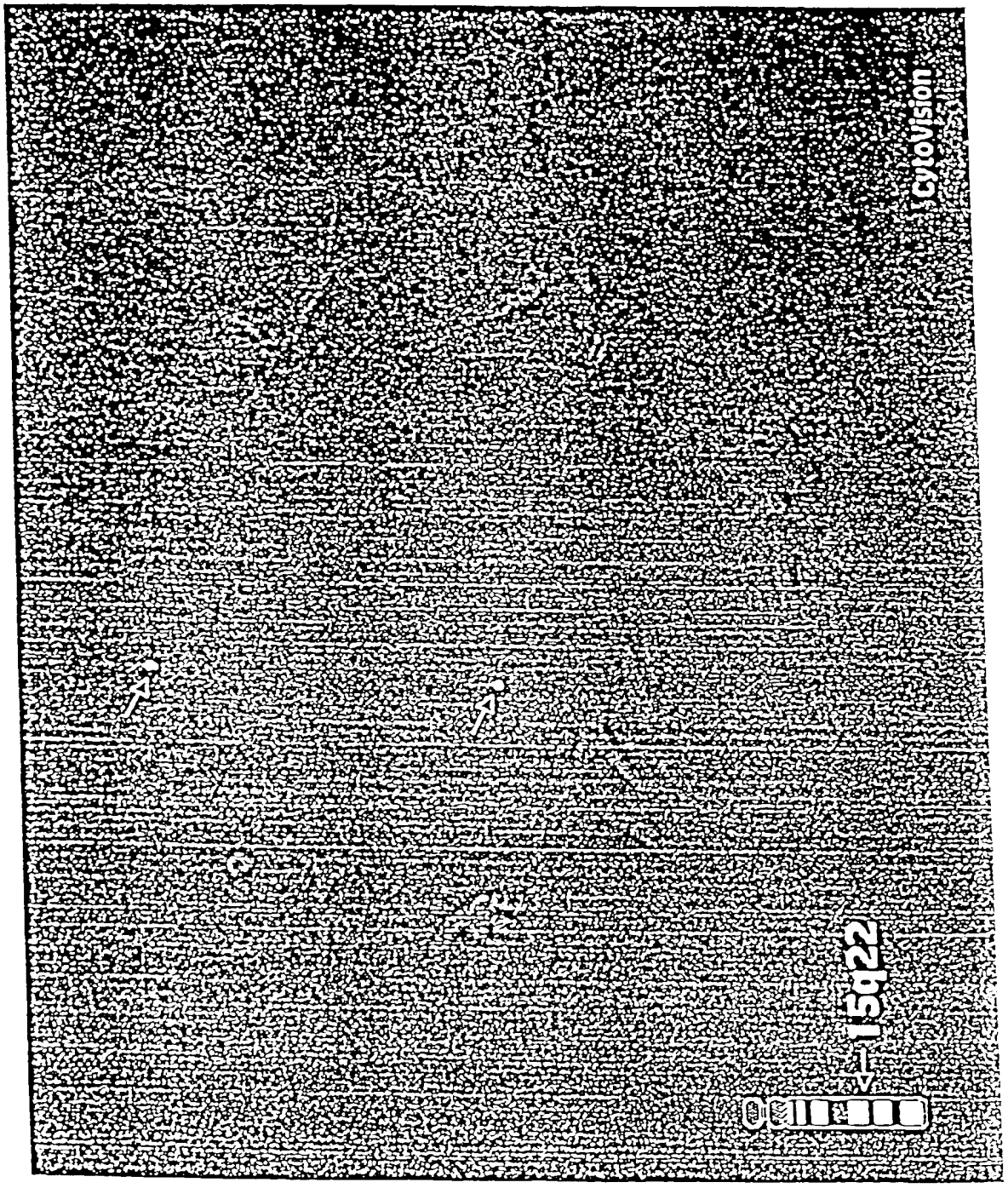

FIGURE 5

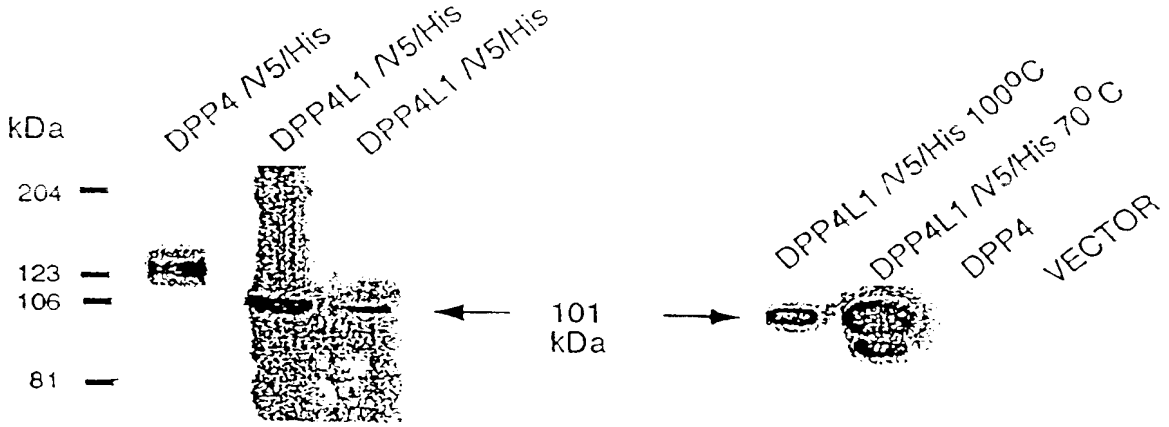
kDa
DPP4 N5/His
DPP4L1 N5/His
DPP4L1 N5/His
204
123
106
81
101
kDa
DPP4L1 N5/His 100°C
DPP4L1 N5/His 70°C
DPP4
VECTOR

FIGURE 6

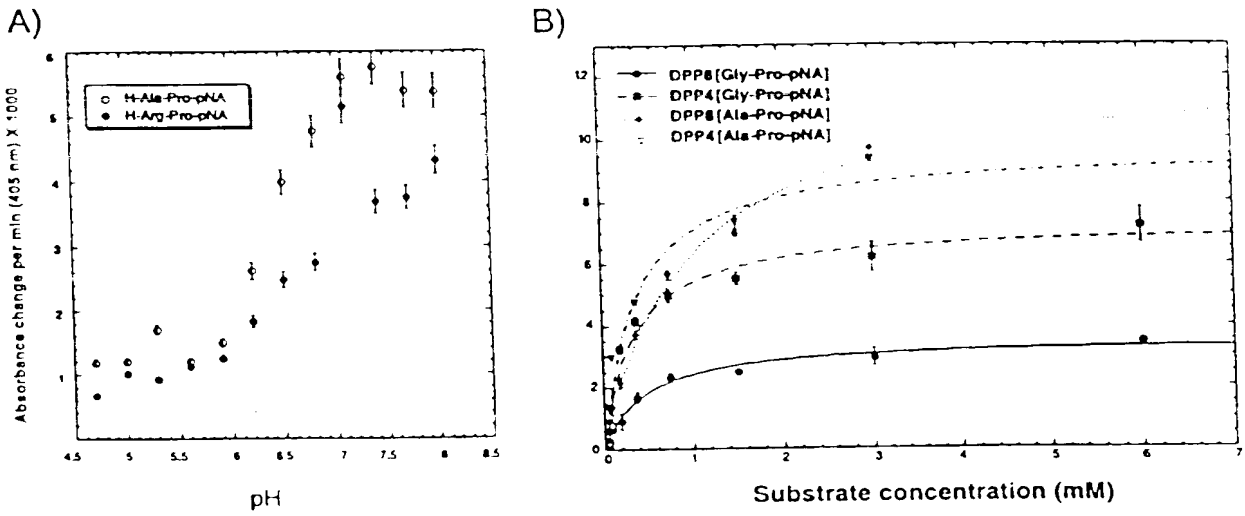
A)
H-Ala-Pro-pNA
H-Arg-Pro-pNA
Absorbance change per min (405 nm) X 1000
pH
B)
DPP8 [Gly-Pro-pNA]
DPP4 [Gly-Pro-pNA]
DPP8 [Ala-Pro-pNA]
DPP4 [Ala-Pro-pNA]
Substrate concentration (mM)

FIGURE 7

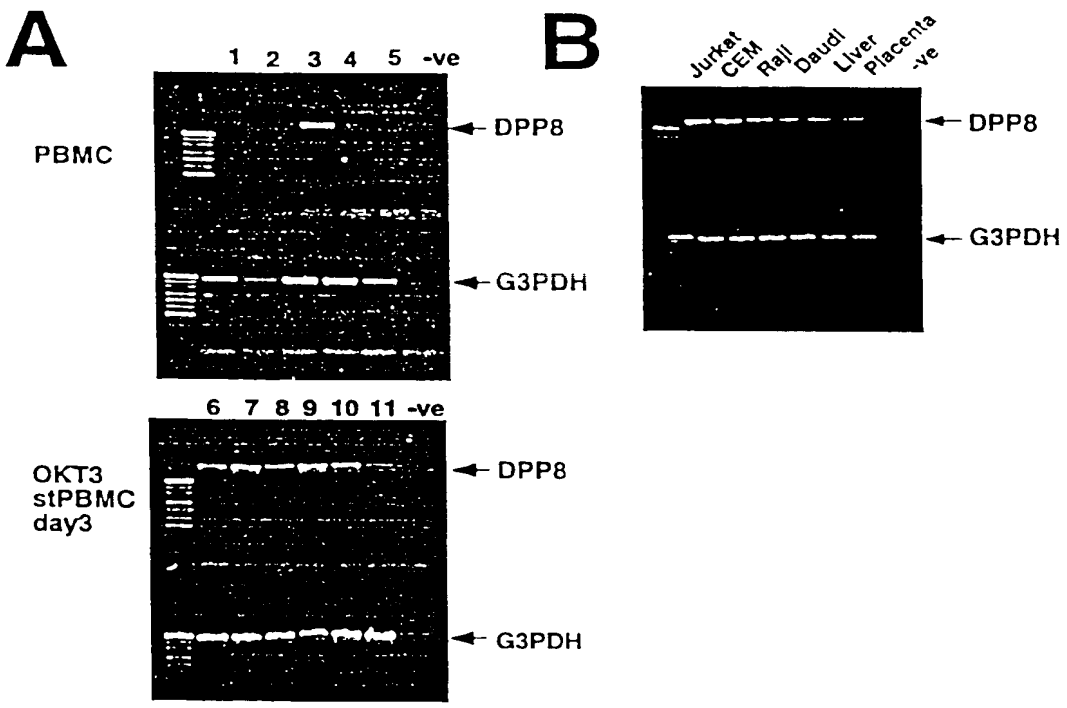
A
1 2 3 4 5 -ve
PBMC
DPP8
G3PDH
6 7 8 9 10 11 -ve
OKT3
stPBMC
day3
DPP8
G3PDH
B
Jurkat
CEM
Raji
Daudi
Liver
Placenta
-ve
DPP8
G3PDH

FIGURE 8

FIGURE 9A

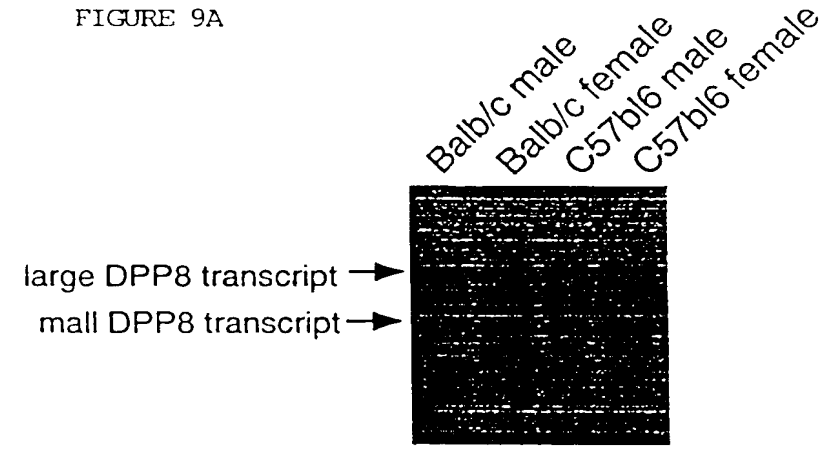
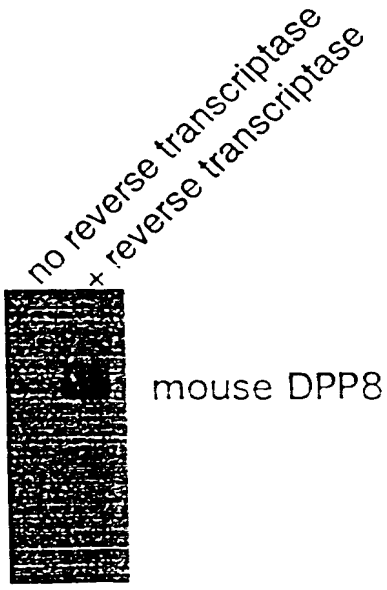
FIGURE 9B